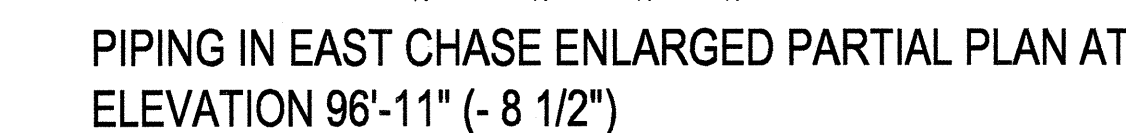
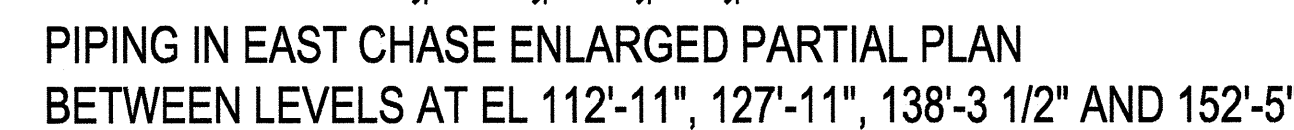


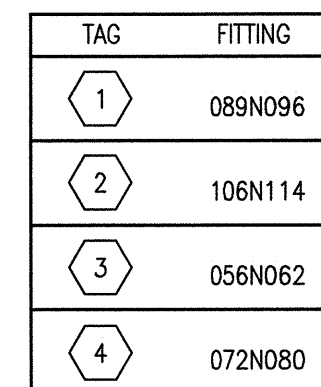
** (H3.B1.41, 42, 43, 44, 45, 46, 47, 48, 49,) H6.10.13, (H2.03.42, 45, 48)



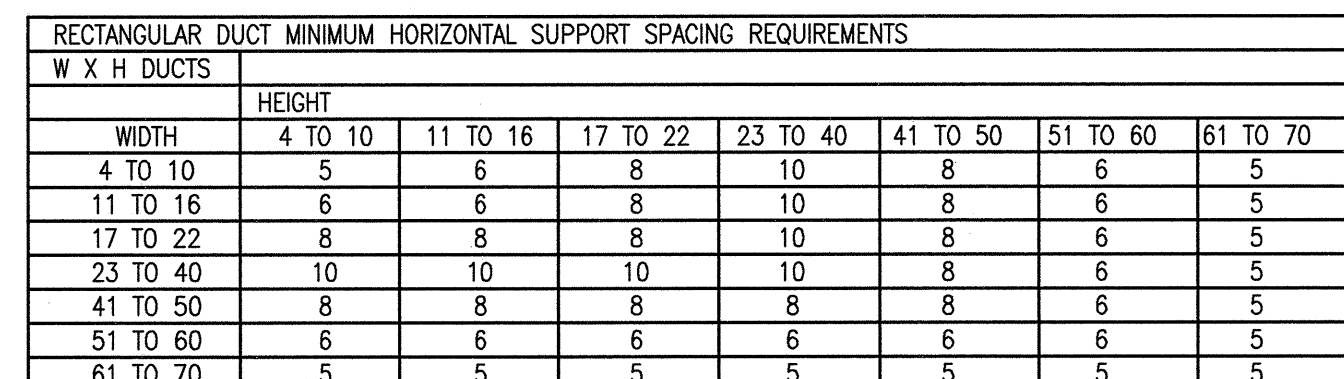
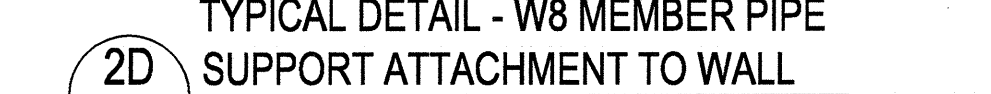
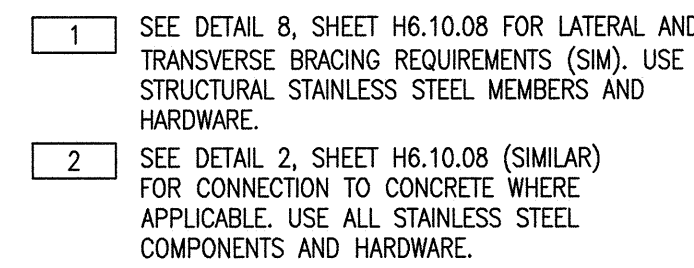
SCALE: 1/2"=1'-0"

** H5.10.45, H2.B1.47, H2.01.47, H2.02.47
H2.03.47, H2.04.47

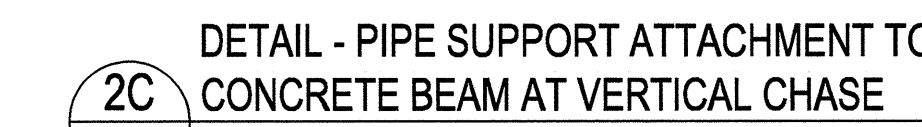
** H5.10.45, H2.B1.47, H2.01.47, H2.02.47
H2.03.47, H2.04.47



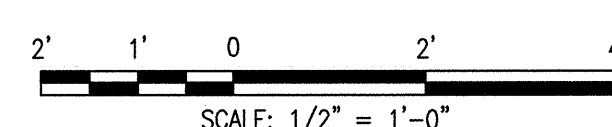
1	PIPING TECHNOLOGIES VSG 200 MM VERTICAL SLIDING GUIDE AT TOP OF STEEL MEMBER (CHILLED WATER PIPES)
2	PIPING TECHNOLOGIES VSG 75 MM VERTICAL SLIDING GUIDE AT TOP OF STEEL MEMBER (HEATING WATER PIPES)
3	W8 x 18 STEEL MEMBER. SEE STRUCTURAL DRAWING.
4	P1000 UNISTRUT AT 4'-0" O.C. VERTICAL SPACINGS.
5	$\frac{3}{4}$ 6 - 1/2" ϕ ANCHOR BOLTS. HILTI HIT-100 EMBEDMENT DEPTH, FASTENED WITH HILTI HY-20 RESIN OR EQUIVALENT. 2 BOLTS EACH LOCATION.
6	UNISTRUT U-SHAPED FITTING P1049 WHERE LOCATED.
7	CMU WALL.
8	$\frac{3}{4}$ 6 - 1/2" EXPANSION ANCHORS, HILTI BOLT II OR EQUIVALENT. 2 BOLTS AT EACH LOCATION.
9	SEE DETAIL 13, SHEET H6.10.09 FOR VERTICAL ROUTED DUCT SUPPORT ASSEMBLY REQUIREMENTS.
10	W8 x 18 STEEL MEMBER. (BY PIPING CONTRACTOR).






4 PS-TA-07



NOTE:
THIS DETAILS SHEET IS FOR THE TARGET BUILDING ONLY.



 <p>Knight/Jacobs 701 Scarborough Road, MS 8253 Oak Ridge, TN 37830 865-241-9433 for 865-241-3400</p>	<p style="font-size: 24pt; font-weight: bold;">108000000-H8E-8000-A010</p>	 <p>KNIGHT Knight Advanced Technology 1403 Mason Street San Francisco, CA 94133</p>																																													
 <p>UT-BATTELLE</p>	<p>Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-80OR22725 (U-BATTELLE) UC - # Oak Ridge, Tennessee</p>																																														
<p>PROJECT NAME:</p> <p style="font-size: 24pt; font-weight: bold;">SPALLATION NEUTRON SOURCE</p>																																															
<p style="font-size: 24pt; font-weight: bold;">STANDARD MECHANICAL DETAILS SHEET 6 OF 11</p>																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 12.5%;">3</td> <td style="width: 12.5%;">4B</td> <td style="width: 12.5%;">X</td> <td style="width: 12.5%;">5</td> <td style="width: 12.5%;">X</td> <td style="width: 12.5%;">50</td> <td style="width: 12.5%;">PLANT</td> <td style="width: 12.5%;">8000</td> <td style="width: 12.5%;">BLDG</td> <td style="width: 12.5%;">FL</td> <td style="width: 12.5%;">SH.</td> <td style="width: 12.5%;">1</td> <td style="width: 12.5%;">OF</td> <td style="width: 12.5%;">TYPE</td> <td style="width: 12.5%;">CLASS</td> </tr> <tr> <td>NC</td> <td>51</td> <td>52</td> <td></td> <td></td> <td>53</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5C</td> <td>NA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	3	4B	X	5	X	50	PLANT	8000	BLDG	FL	SH.	1	OF	TYPE	CLASS	NC	51	52			53										5C	NA														<p style="font-size: 24pt; font-weight: bold;">WBS 1.8</p>	<p style="font-size: 24pt; font-weight: bold;">H6.10.06</p>
3	4B	X	5	X	50	PLANT	8000	BLDG	FL	SH.	1	OF	TYPE	CLASS																																	
NC	51	52			53																																										
5C	NA																																														
														<p style="font-size: 24pt; font-weight: bold;">REV</p>																																	